230734

From: Gene Fowler
To: Pedersen, Mark
Date: 1/3/2008 9:43:00 AM
Subject: Unimatic: case status

ISRA case name: Unimatic
ISRA case #: E20010335
PI #: 99235

Unimatic is the RA signatory and ceased operations. There is an unrelated property owner, business owner, and operator.

Contaminant of Concern: PCBs in soil (outdoor and under foundation) and ground water. PCB contamination is attributed to a broken underground pipe (beneath the building) that carried PCB-laden hydraulic fluid.

Residential Direct Contact Soil Cleanup Criteria (RDCSCC) = 0.49-mg/kg

PCBs in soil: Under the building foundation: PCBs in soil are not horizontally or vertically delineated. Below the floor, concentrations in soil vary from 0.82-mg/kg @ 3-3.5 ft. to 238-mg/kg @ 8-8.5 ft to 0.97-mg/kg @ 13-13.5 ft.

PCBs, Outdoor under soil "surficial" parking lot: PCBs in soil are not horizontally or vertically delineated. Following post-ex sampling, total PCBs remain on-site in soil and below the water table @ approx. 35-ft below grade at a concentration of 25.6-mg/kg (SB-83/SB-83A). Post-ex concentrations vary from 38.6-mg/kg @ 23.5 to 24 ft. (SB-82) to 155-mg/kg @ 9-9.5 ft (SPE-42).

Remedy: Unimatic proposes to use the foundation / floor as a cap and propose a deed notice for the entire site. This is not acceptable at this time. In addition, following telephone conversations between NJDEP / USEPA, in short, the EPA stated that they will not allow PCBs >100-ppm in soil to remain on-site.

Ground Water Quality Standards for PCBs = 0.5-ppb

PCBs in ground water: Based on Sept. 2005 ground water sampling event, Aroclor 1248 ranged from 361-ppb in MW-4 to 10.5-ppb in MW-6 (most down gradient on-site well). Also, Unimatic noted an oily sheen on ground water in MW-4. Currently, Unimatic is required to conduct a Remedial Investigation (RI) of PCBs in ground water.

VOCs in ground water: Currently, Unimatic is required to conduct a RI of VOCs in ground water because of the unknown impact of a former septic system (AOC 8, 2 USTs) located upgradient and on-site.

Potable Wells: To date, it is unknown if nearby domestic wells are impacted by PCBs. Some potable wells were closed by USEPA because of chlorinated VOCs emanating from the Caldwell Trucking Superfund Site. Residences are located hydraulically downgradient of the Unimatic site.

Jan. 3, 2007: DEP's Notice of Deficiency letter submitted to Unimatic.

May 11, 2007: Unimatic submitted a RIW in response to DEP's Jan. 3, 2007 Notice of Deficiency letter.

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